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Sextant Observations of the Great Comet (b) 1882, *made on board the ship "Superb."* By Capt. D. W. Barker.

(*Communicated by Capt. Henry Toynbee, R.N.*)

Date.	Lat. S	Long. W.	Stars used.	Distance from Comet.	Time by Chronometer G. M. T.	Remarks.
	° ′	° ′		° ′ ″	d h m s	
1882, Sept. 28	49 19	173 13	α Crucis	59 18 33	28 3 55 47	Tail about $9\frac{1}{2}°$ long. Bright clear morning.
			Canopus	71 13 8	3 57 0	
			Procyon	49 34 8	4 0 21	
Oct. 1	48 47	158 53	α Crucis	58 13 3	1 3 4 23	Tail about 11° long. Brightness comparable with α Orionis. Bright clear morning.
			Canopus	69 10 58	3 6 3	
			Sirius	59 24 23	3 7 38	
4	48 7	152 30	Sirius	57 47 44	4 2 47 51	More or less cloudy. Tail longer and less bright.
			Canopus	67 16 8	2 43 8	
5	48 26	150 46	α Centauri	67 24 59	5 1 16 15	Passing clouds. Tail extending directly towards α Hydræ, almost reaching it. Less bright.
			Canopus	66 39 59	1 17 38	
			Sirius	57 16 59	1 31 33	
13	50 48	112 41	Canopus	62 16 29	12 23 36 25	Tail getting fainter and longer. Fine and clear weather.
			Sirius	53 0 29	23 38 54	
30	45 56	45 14	β Centauri	58 25 25	29 17 3 12	Bright clear weather. Much fainter than when last observed.
			Canopus	53 42 45	17 12 35	

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Date.	Lat. S.	Long. W.	Stars used.	Distance from Comet.	Time by Chronometer G. M. T.	Remarks.
	° ′	° ′		° ′ ″	d h m s	
1882, Oct. 30	45 56	45 14	Sirius	47 22 45	17 16 48	
Nov. 5	34 18	35 5	β Centauri	57 53 0	4 15 54 38	
			Canopus	50 4 40	15 53 6	Clear weather.
			Sirius	45 0 0	15 48 25	
8	31 29	31 5	Canopus	43 23 35	7 15 49 44	Tail 17½° long. A splendid object. Tail broader, nucleus fainter. Passing clouds.
			Achernar	49 4 40	51 29	
			α Crucis	48 16 0	53 38	
14	21 33	29 56	Canopus	45 13 10	13 18 7 26	
			α Centauri	61 42 15	9 25	Passing clouds, otherwise clear.
			Sirius	40 58 15	10 46	
	N.					
Dec. 7	20 20	36 15	Alphard	24 27 15	6 18 38 33	Fine and clear. A much fainter object Nucleus situated about 1° W. of *f* Mali; tail to 16 Puppis.
			Sirius	28 51 10	42 52	
			Procyon	37 56 45	44 35	
9	25 50	37 23	Sirius	27 34 55	8 19 14 52	Passing clouds.
			Procyon	37 46 45	17 8	
			α Hydræ	25 25 55	21 41	

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